CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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COUNTRY	Hungary	REPORT			25X
SUBJECT	Manufacture of Boron Steel in Hungary	DATE DISTR.	21 April	1954	
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25 YEAR RE-REVIEW

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6. In the course of experiments lasting for $l\frac{1}{2}$ years, the Ganz Works produced, with the addition of 0.006 - 0.001 percent of boron, a manganese steel which is a practically perfect substitute for the Cr Ni 35.69 chromium

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steel. This new product, which has a tensile strength of 70-90 kilograms per square millimeter, has been given the designation TB 90 in the Gans Works. In resistance to longitudinal stress, it is equivalent to chronium steel and is only slightly inferior to the latter in resistance to transversal stress.

- 7. A boron steel, designated FB 120, with a tensile strength of 125-140 kilograms per square millimeter has been developed as a substitute for the Cr Mi 45.68 chromium nickel. It contains, in addition to boron, also manganese and chromium, but no nickel or molybdenum. For the time being, however, this product has not been introduced into general use.
- 8. Attempts have also been made to add small amounts of titanium to steel, but these experiments have remained desultory d

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